

**Source:**

John Glascock

Agenda Item No. (A)

**FISCAL and VISION NOTES:**

| <b>City Fiscal Impact</b><br>Enter all that apply:  |  |
|---|--|
| \$56,464  | City's current net FY cost.                            |
| \$60,000  | Amount of Funds Already appropriated                   |
| Unknown until bid   | Amount of budget amendment needed                      |
| \$0   | Estimated 2 yr net costs: One-time                     |
| \$0   | Operating / On-going                                   |
| <b>Program Impact:</b>  |  |
| N   | New program/ agency (Y/N)                              |
| N   | Duplicates/expands an existing program (Y/N)           |
| N   | Fiscal impact on any local political subdivision (Y/N) |
| <b>Resources Required:</b>  |  |
| N   | Requires add'l FTE personnel? (Y/N)                    |
| N   | Requires additional facilities? (Y/N)                  |
| N   | Requires additional capital equipment? (Y/N)           |
| <b>Mandates:</b>  |  |
| N   | Federal or state mandated? (Y/N)                       |
| <b>Vision Implementation Impact</b><br>Enter Below All That Applies:<br>Refer to Website: |  |
| N   | Vision Impact? (Y/N or if N, go no further)            |
| Item #  | Primary Vision, Strategy and/or Goal Item#             |
| Item #  | Secondary Vision, Strategy and/or Goal Item#           |
| Task #  | FY10/FY11 Implementation Task#                         |

**TO:** City Council**FROM:** City Manager and Staff**DATE:** April 22, 2011**RE:** Public Hearing – Hinkson Creek Outfall Replacement  
5G7A Sanitary Sewer Project**EXECUTIVE SUMMARY:**

Staff has prepared for Council consideration a resolution setting a public hearing for June 6, 2011 concerning the construction of the Hinkson Creek Outfall Replacement 5G7A Project. This project will significantly reduce wet weather sanitary sewer overflows (SSOs) in the Hinkson Creek bottoms area on University Property and adjacent to the MKT and Hinkson Trails, as shown on the attached location diagram.

The resolution estimate for this sanitary sewer construction project is \$220,000 and will be paid with sewer utility enterprise revenue funds.

**DISCUSSION:**

In the last three years there have been multiple wet weather SSOs in the Hinkson Creek bottoms area. Groundwater infiltration and illicit inflow from stormwater cause surcharges in the sanitary sewer system. Nineteen manholes in this area have overflowed at least once in the last three years (FY 08, 09, 10). Fifteen of the nineteen have overflowed more than once and three manholes have overflowed nine or more times in the last three years. Sewer Operations has raised the elevation of some of the lower manhole lids to alleviate the problem, but the three manholes with the greatest number of overflows continue to have problems.

An investigation of the manholes and pipes in the Hinkson Bottoms area revealed that the 24-inch sewer under Flat Branch has severe corrosion. Additionally, some of the manholes are not hydraulically efficient causing flows to back up in the system. The attached diagram, Exhibit A, shows the proposed reconfiguration of the system. The proposed Line A should alleviate SSOs and the proposed Line C would further alleviate SSOs and provide for future expansion of the Hinkson system and eliminate a hydraulically inefficient box.

**FISCAL IMPACT:**

The estimated total cost for the project is \$220,000 with \$60,000 appropriated to date. Funds for this project are from sewer utility enterprise revenue funds. This project will reduce the sewer operation costs by eliminating response to frequent wet weather SSOs.

**VISION IMPACT:**

None

**SUGGESTED COUNCIL ACTION:**

Following public input and Council discussion at the public hearing, Council should make a motion directing staff to proceed with final plans, specifications and construction of the Hinkson Creek Outfall Replacement 5G7A Project.

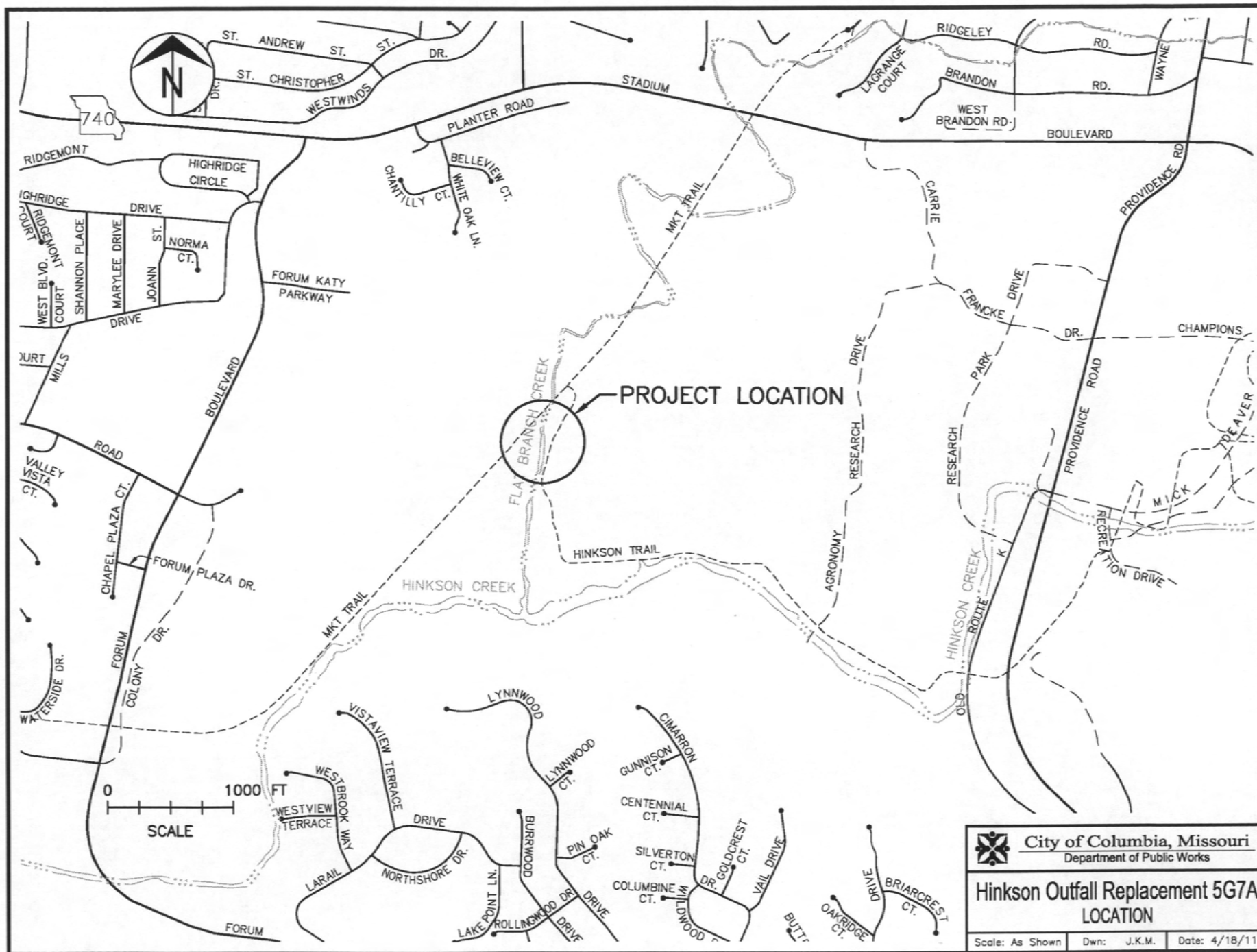
## Contact Log

### Hinkson Creek Outfall Replacement 5G7A

The only affected property owner is the University of Missouri, the project is located in the Hinkson Bottoms area.

E. Keys with the MU Director of Facilities and Planning, Larry Hubbard in March. I briefly discussed and explained the necessity for this project. Plan to meet again once plans are closer to finalized. Since we are replacing an existing system Mr. Hubbard did not foresee any problems with the project.

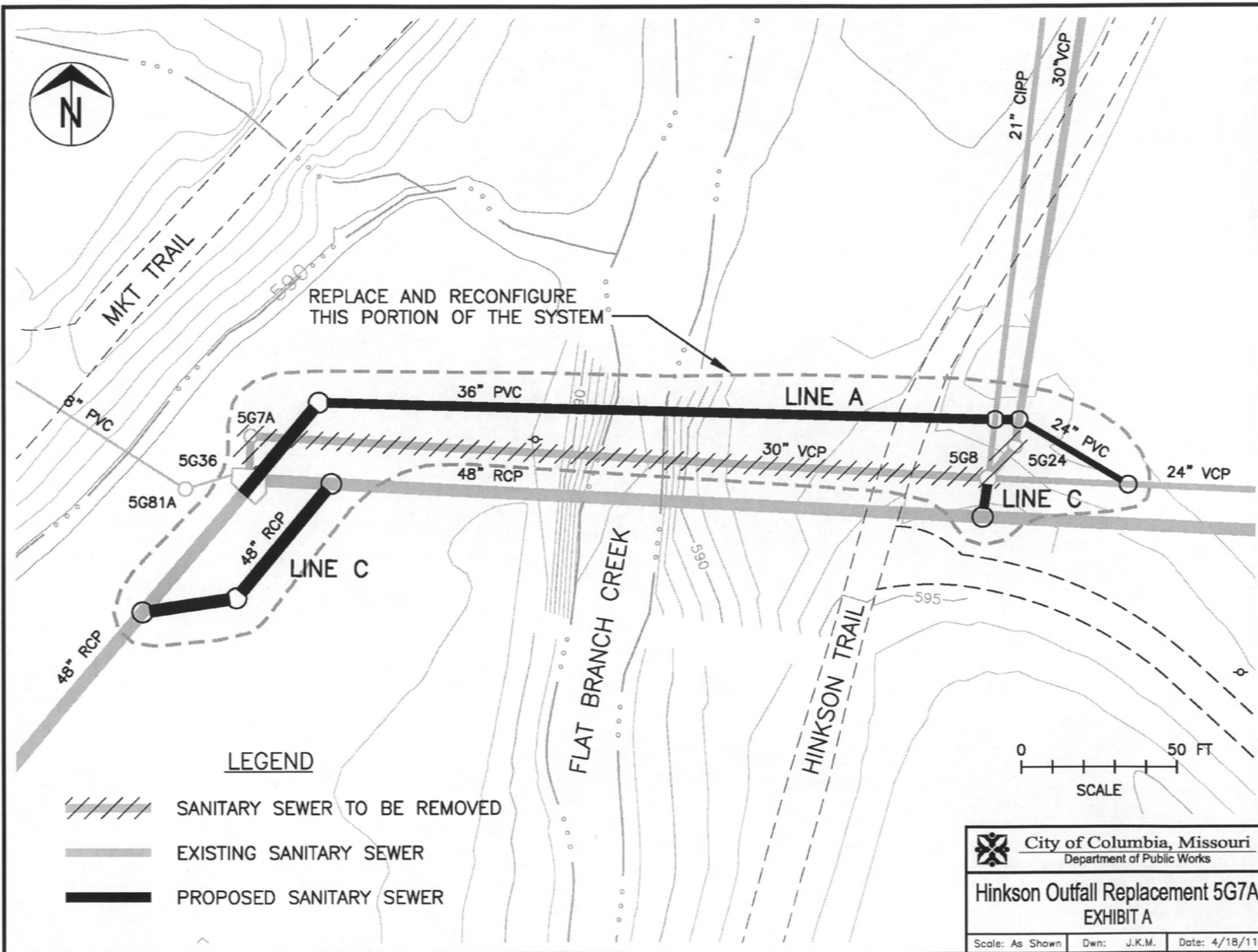
The MKT is an adjacent property owner and Mike Griggs from Parks and Rec Operations was contacted concerning this project.



City of Columbia, Missouri  
Department of Public Works

## Hinkson Outfall Replacement 5G7A LOCATION

Scale: As Shown Dwn: J.K.M. Date: 4/18/11



## **A RESOLUTION**

declaring the necessity for construction of sanitary sewer improvements, more specifically described as the Hinkson Creek Outfall Replacement 5G7A sanitary sewer project; stating the nature of and the estimate of the cost of the improvement; providing for payment for the improvement; providing for compliance with the prevailing wage law; and setting a public hearing.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council deems the construction of sanitary sewer improvements, more specifically described as the Hinkson Creek Outfall Replacement 5G7A sanitary sewer project, necessary to the welfare and improvement of the City.

SECTION 2. The nature and scope of the improvement shall consist of furnishing all labor, materials, transportation, insurance and all other items, accessories and incidentals thereto necessary for the complete construction of the improvements.

SECTION 3. The estimated cost of this improvement is \$220,000.00.

SECTION 4. Payment for this improvement shall be made from sewer utility enterprise revenue funds and such other funds as may be lawfully appropriated.

SECTION 5. Any work done in connection with the construction of the improvement specified above shall be in compliance with the provisions of the prevailing wage laws of the State of Missouri.

SECTION 6. A public hearing in respect to this improvement will be held in the Council Chamber of the City Hall Building, 701 E. Broadway, Columbia, Missouri, at 7:00 p.m. on June 6, 2011. The City Clerk shall cause notice of this hearing to be published in a newspaper published in the City.

ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

ATTEST:

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City Clerk

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Mayor and Presiding Officer

APPROVED AS TO FORM:

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City Counselor